

What is claimed is:

1. A digital camera system comprising:

a main body that comprises an optical system including a plurality of lenses to optically process light from a subject, an optoelectric converter converting the light from the optical system into an electrical analog image signal, an analog-to-digital converter converting the analog image signal of the optoelectric converter into a digital image signal, a digital signal processor processing the digital image signal from the analog-to-digital converter, and a wireless communication interface; and

10 a user module that comprises a wireless communication interface, which corresponds to the wireless communication interface of the main body, a user input unit, a display device, and a controller,

15 wherein a digital image signal of the digital signal processor may be transmitted to the user module through the wireless communication interface and displayed on the display device of the user module, and

20 a user input signal input through the user input unit of the user module may be transmitted to the digital signal processor through the wireless communication interface and processed by the digital signal processor.

2. The digital camera system of claim 1,

wherein the user module is connectable to and separable from the main body, the main body further comprises a wired communication interface, and the user module further comprises a wired communication interface that corresponds to the wired communication interface of the main body,

25 wherein the digital image signal of the digital signal processor may be transmitted to the user module through the wired communication interface, and

wherein the user input signal input through the user input unit of the user module may be transmitted to the digital signal processor through the wired communication interface.

30 3. The digital camera system of claim 2, wherein the main body further comprises a slot into which the user module is inserted, and when the user module is inserted into the slot, the wired communication interface of the user module is connected to the wired communication interface of the main body.

35 4. The digital camera system of claim 3, wherein when the user module is separated from the slot, the digital signal processor and the controller of the user

module communicate with each other through the wireless communication interface of the main body and the wireless communication interface of the user module.

5        5.     The digital camera system of claim 1, wherein the digital image signal of the digital signal processor is input to the controller of the user module through the communication interfaces of the main body and the user module and is controlled by the controller of the user module to be input to and displayed on the display device of the user module.

10        6.     The digital camera system of claim 1, wherein the user input signal is input through the user input unit of the user module to the controller of the user module, then transmitted to the digital signal processor through the communication interfaces of the user module and the main body, and then processed by the digital signal processor.

15        7.     The digital camera system of claim 1, wherein the user module further comprises a microphone and an analog-to-digital converter.

20        8.     The digital camera system of claim 7, wherein an audio signal of the microphone is input to the controller of the user module through the analog-to-digital converter, then transmitted to the digital signal processor through the communication interfaces of the user module and the main body.

25        9.     The digital camera system of claim 8, wherein the audio signal is stored in a recording medium by the digital signal processor.

10        10.    The digital camera system of claim 1, wherein the user module further comprises a digital-to-analog converter and a speaker.

30        11.    The digital camera system of claim 10, wherein an audio signal stored in the recording medium is transmitted by the digital signal processor through the communication interfaces of the main body and the user module to the controller of the user module and then output through the digital-to-analog converter and the speaker by the controller.

35        12.    The digital camera system of claim 2, wherein the digital image signal of the digital signal processor is input to the controller of the user module through

the communication interfaces of the main body and the user module and is controlled by the controller of the user module to be input to and displayed on the display device of the user module, and

5 wherein the user input signal is input through the user input unit of the user module to the controller of the user module, then transmitted to the digital signal processor through the communication interfaces of the user module and the main body, and then processed by the digital signal processor.

10 13. A digital camera system comprising:

a main body that comprises an optical system including a plurality of lenses to optically process light from a subject, an optoelectric converter converting the light from the optical system into an electrical analog image signal, an analog-to-digital converter converting the analog image signal of the optoelectric converter into a digital image signal, a digital signal processor processing the digital image signal from the analog-to-digital converter, and a wireless communication interface; and

15 a user module that comprises a wireless communication interface, which corresponds to the wireless communication interface of the main body, a user input unit, a display device, a controller, a microphone, an analog-to-digital converter, a digital-to-analog converter, and a speaker,

20 wherein a digital image signal of the digital signal processor may be transmitted to the user module through the wireless communication interface and displayed on the display device of the user module, and

25 a user input signal input through the user input unit of the user module may be transmitted to the digital signal processor through the wireless communication interface and processed by the digital signal processor,

30 wherein the user module is connectable to and separable from the main body, the main body further comprises a wired communication interface, and the user module further comprises a wired communication interface that corresponds to the wired communication interface of the main body,

wherein the digital image signal of the digital signal processor may be transmitted to the user module through the wired communication interface, and

35 wherein the user input signal input through the user input unit of the user module may be transmitted to the digital signal processor through the wired communication interface.

14. The digital camera system of claim 13, wherein the main body further comprises a slot into which the user module is inserted, and when the user module is inserted into the slot, the wired communication interface of the user module is connected to the wired communication interface of the main body.

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15. The digital camera system of claim 14, wherein when the user module is separated from the slot, the digital signal processor and the controller of the user module communicate with each other through the wireless communication interface of the main body and the wireless communication interface of the user module.

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16. The digital camera system of claim 13, wherein the digital image signal of the digital signal processor is input to the controller of the user module through the communication interfaces of the main body and the user module and is controlled by the controller of the user module to be input to and displayed on the display device of the user module.

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17. The digital camera system of claim 13, wherein the user input signal is input through the user input unit of the user module to the controller of the user module, then transmitted to the digital signal processor through the communication interfaces of the user module and the main body, and then processed by the digital signal processor.

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18. The digital camera system of claim 13, wherein an audio signal of the microphone is input to the controller of the user module through the analog-to-digital converter, then transmitted to the digital signal processor through the communication interfaces of the user module and the main body.

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19. The digital camera system of claim 18, wherein the audio signal is stored in a recording medium by the digital signal processor.

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20. The digital camera system of claim 13, wherein an audio signal stored in the recording medium is transmitted by the digital signal processor through the communication interfaces of the main body and the user module to the controller of the user module and then output through the digital-to-analog converter and the speaker by the controller.

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